



CANCER PREVENTION & RESEARCH
INSTITUTE OF TEXAS

CPRIT Product Development Program

FY 2020 Cycle 2 (20.2) TXCO, RELCO, SEED RFAs

Webinar: November 14, 2019



Cindy WalkerPeach, PhD
Chief Product Development Officer



Rosemary French, MBA
Senior Program Manager

Webinar Participants

Hosts:



Cindy WalkerPeach, PhD
Chief Product Development Officer



Rosemary French, MBA
Senior Program Manager

CPRIT Reviewers:



David Shoemaker, PhD
*Deputy Chair, Product Development
Review Council*



Jim Jordan, MBA
Reviewer, Product Development



Agenda and Q&A

Agenda

- Overview – CPRIT Product Development Program and available RFA grant mechanisms (SEED, TXCO, RELCO)
- Live Q&A Session

Q&A

- Participant lines will be muted during the webinar.
- Participants may submit questions at any time.
- Questions will be addressed at the end of the presentation.
- Please submit your questions using “Questions Box” on the GoToWebinar control panel and clicking SEND.



CPRIT Grant Award Data to 21Aug19

1,447 Awards Totaling \$2.41 Billion

Academic Research

1,178 awards, \$1.72 billion

Product Development Research

43 awards, \$437.1 million

Prevention

226 awards, \$250.0 million

Combined research awards:

1,221 awards, \$2.16 billion

Clinical Research (31.1%)	\$670.7 million
Translational Research (25.1%)	\$540.6 million
Recruitment (26.7%)	\$575.2 million
Basic Research (14.3%)	\$308.9 million
Research Training (2.8%)	\$ 59.9 million



2020 Product Development Program Priorities

- Funding novel projects that offer therapeutic or diagnostic benefits not currently available; i.e., **disruptive technologies**
- Funding projects addressing large or challenging **unmet medical needs**
- Investing in **early-stage** projects when private capital is least available
- Stimulation commercialization of technologies developed at **Texas institutions**
- Supporting **new company formation in Texas or attracting promising companies to Texas** that will recruit staff with life science expertise, especially experienced C-level staff, to lead to seed clusters of life science expertise at various Texas locations
- Providing appropriate **return on Texas taxpayer investment**



Product Development Awards

- **Objectives**

- Identifying and funding projects to develop **novel drugs, diagnostic applications, medical devices and other non-traditional products** with focused relevance to **cancer** research, treatment and prevention
- Funding **Texas-based companies and companies willing to relocate to Texas** are most likely to bring important products to the market
- Providing funding that promotes the **translation of research at Texas institutions into startup companies** able to compete in the marketplace

- **Product Development Awards to date**

- **43 awards approved totaling \$437.1 million**
- **17 awardee companies conducting active clinical trials**
- **More than \$3.15 billion in follow-on funding**
- **662 jobs created in Texas**



Product Development Investments

Lubbock



Dallas



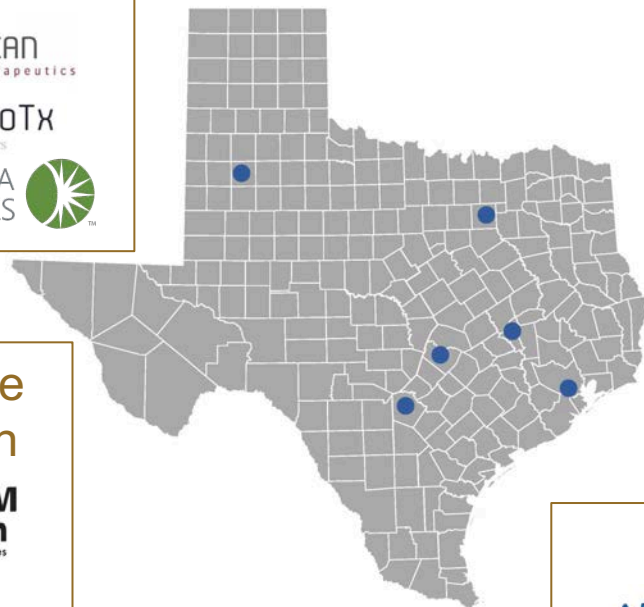
Houston



San Antonio



College Station

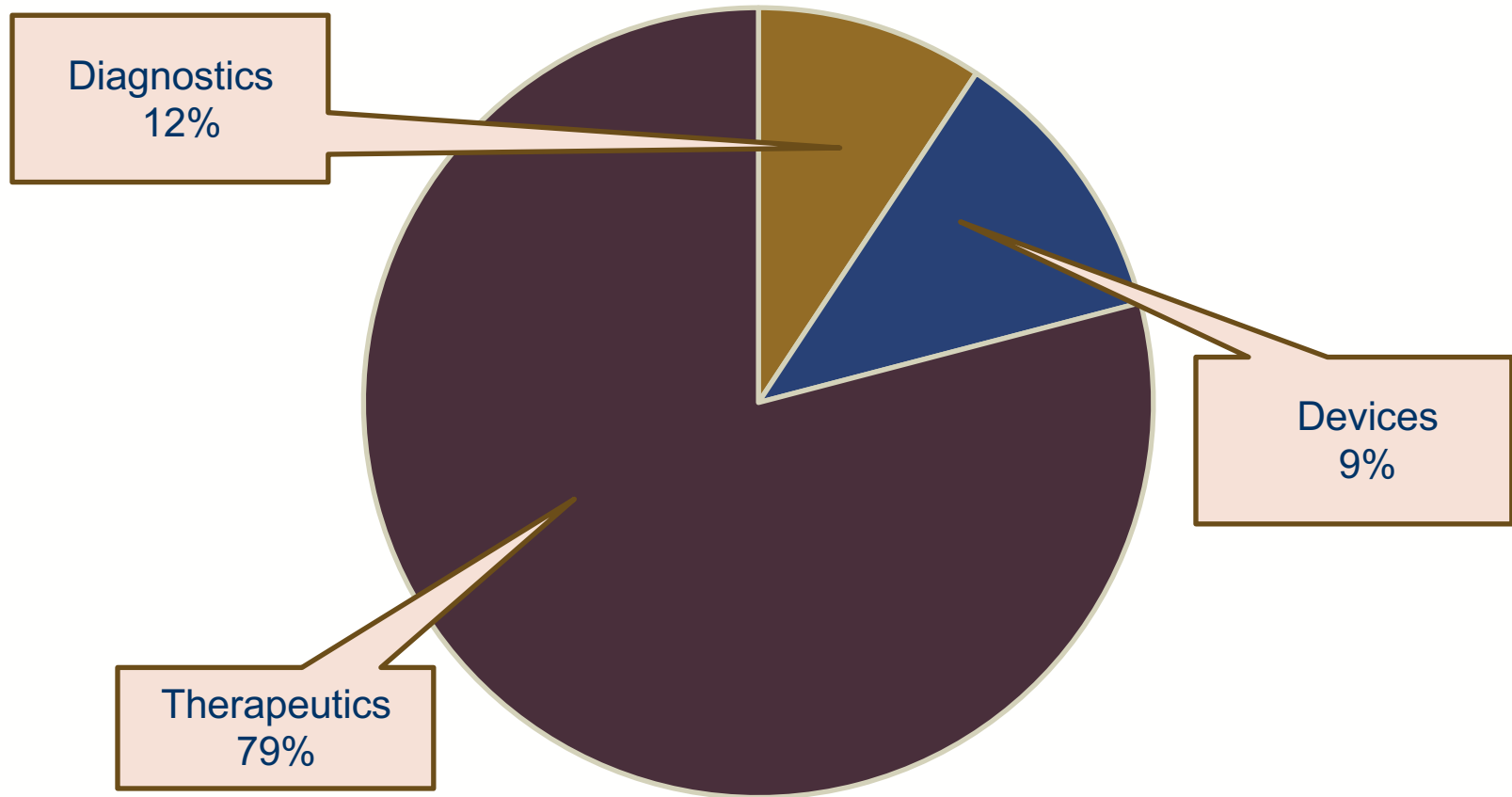


Austin



Current Product Development Portfolio Mix

FUNDED INVESTMENTS



FY 2020 Cycle 2 Award Mechanisms

General Criteria

- Startup or established companies developing innovative products or services
- Significant potential impact on cancer patient care
- Scientific “Proof of Principle” demonstrated; business merit

Three Product Development Mechanisms

- **Texas Company Awards (TXCO)**
 - Startups or established companies located in Texas
 - Up to \$20M over 36 months
- **Company Relocation Awards (RELCO)**
 - Startups or established companies willing to relocate to Texas
 - Up to \$20M over 36 months
- **Seed Awards (SEED)**
 - Startup companies based in Texas or willing to relocate to Texas
 - Up to \$3M over 36 months



Award Requirements, Part 1

- **Contracted relationship with CPRIT**
- **Annual Progress Report Review** – meet goals/objectives to continue funding tranches
- **50% match requirement**
 - For example, a company that applies for \$1 million in CPRIT funding must raise \$500,000 in external matching funds
- **Revenue sharing commitment included as part of contract**
 - **Therapeutics: 3-5% royalty until 4X the award amount paid to Texas. After 4X award amount is paid to Texas, royalty reduced to 0.5%.**
 - For example, therapeutics awardee that receives a \$10 million CPRIT award pays 3-5% in royalties (depending on the amount of cumulative revenue) until the total royalty payments equal \$40 million, at which point royalties would drop to 0.5%
 - **Devices/Diagnostics/Services: 3-5% royalty until 2.5X the award amount paid to Texas. Then royalty reduced to 0.5%.**
 - For example, diagnostics awardee that receives a \$10 million CPRIT award pays 3-5% in royalties (depending on the amount of cumulative revenue) until the total royalty payments equal \$25M million, at which point royalties would drop to 0.5%
 - **More details:** <https://www.cprit.state.tx.us/our-programs/product-development-research/revenue-sharing/>



Award Requirements, Part 2

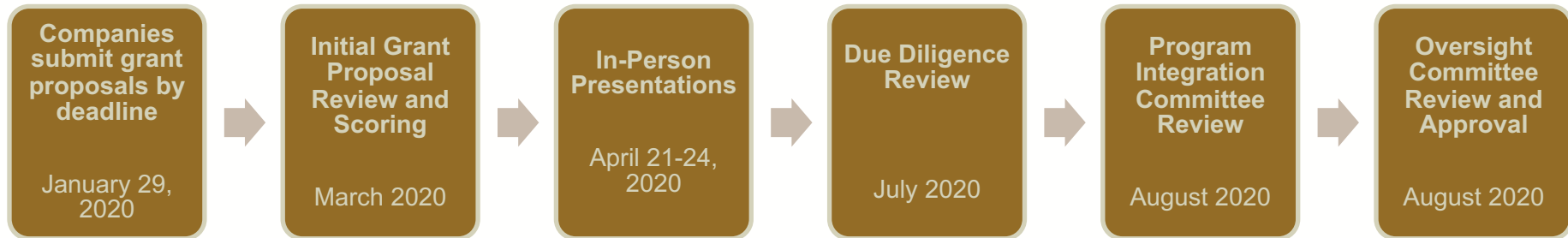
Texas Location Criteria

- **Awardees must:**
 - either already be based in Texas or,
 - commit to become Texas-based upon receipt of award
- **A company is considered to be Texas based if it fulfills or commits to fulfilling a majority of the following criteria:**
 1. The US headquarters are physically located in Texas.
 2. The Chief Executive Officer resides in Texas.
 3. A majority of the company's personnel, including at least 2 other C-level employees (or equivalent) reside in Texas.
 4. Manufacturing activities take place in Texas.
 5. At least 90% of grant award funds are paid to individuals and entities in Texas, including salaries and personnel costs for employees and contractors.
 6. At least 1 clinical trial site is in Texas.
 7. The company collaborates with a medical research organization in Texas, including a public or private institute of higher education.



Multi-Stage Review Process

FY 2020 Cycle 2



Reminder: Key Dates

FY 2020 Cycle 2

RFAs Released	November 20, 2019
Application Portal Opens	December 4, 2019
Applications Due	January 29, 2020
In-Person Presentation	April 21-24, 2020
Award Notification	August 2020

FY 2021 Cycle 1 (tentative)

RFA Release Date	Summer 2020
Applications Due	Summer 2020
Award Notification	February 2021





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Reviewer Perspectives

David Shoemaker, PhD
Deputy Chair, Product Development Review Council

Jim Jordan, MBA
Reviewer, Product Development

Invest in Commercially Viable Projects

SEED Awards:

- Startups, early-stage commercial concept
- Novel technology, may not be completely at product stage
 - Drugs and Biologics, multiple candidates, no lead
 - Devices, early prototype, not fieldable
 - Diagnostics, may have a research test or LDT
- Strong value proposition with preliminary business plan
- Science-based personnel accessing commercial product development consultants
- Demonstrated understanding of the commercial product development process IND/IDE (clinical, preclinical, CMC, regulatory)

TXCO/RELCO Awards:

- Newly established or established companies
- Novel technology, more likely at product stage
 - Drugs and Biologics, established lead (IND within a year)
 - Devices, commercial-ready prototype (IDE within a year)
 - Diagnostics, commercial-ready prototype (IDE within a year)
- Viable commercial concept with strong Value Proposition and business plan
- Veteran, experienced product development team (fewer consultants)
- Veteran, experienced management team, likely to have secured independent funds
- Deep understanding of the of commercial product development process and marketplace (clinical, preclinical, CMC, regulatory, statistical, marketing, reimbursement, program management, post-market surveillance, competitive landscape, product life cycle, pipeline development, distribution strategy, partnering strategy)



SEED Early Development Stage Grant

- Startup companies
- ~2 - 3 years from filing IND/IDE
- Early Pharmacodynamic Proof of Concept
 - Supported by rigorous pharmacology data in multiple models
- Preliminary Preclinical Safety Data
 - Secondary pharmacology studies (specificity)
- Preliminary Development Plans (Clinical, Preclinical, CMC, Regulatory)
- Preliminary Commercialization Strategy
 - Preliminary understanding of competitive landscape and path to market



TXCO/RELCO Development Stage Grant

- Established company, one year from filing IND/IDE or in the Clinic
- Established Proof of Concept
- Completed Preliminary Assay Validation Work
- Completed Pilot Toxicology Studies (most sensitive species identified)
- Completed Initial CMC Studies (initial small-scale batches)
- Management and Disciplinary Expert Personnel (Medical/Clinical, Preclinical, CMC, Regulatory, Commercial) Employed or Identified
- Completed Target Product Profile and/or Integrated (Clinical, Nonclinical, CMC, Regulatory) Product Development Plan through to marketing application
- Completed Intellectual Property Strategy and Initial Filings
- Preliminary Commercialization Plan



What makes a strong device/diagnostic application?

	Medical Device	Diagnostic
Market potential	<ul style="list-style-type: none">• ↑ \$250 million segment	<ul style="list-style-type: none">• ↑ \$100 million segment
Sales & marketing (commercialization plan)	<ul style="list-style-type: none">• ↑ New category or improvement of existing category• Direct or distribution strategy• Formulary & buying group strategy	<ul style="list-style-type: none">• New category or test not offered by major Dx player• Direct or distribution strategy• Kit/product or CLIA
Technology & IP (development plan)	<ul style="list-style-type: none">• Existing PCT's or patents• Adequate IP landscape analysis• Design system requirement plan	<ul style="list-style-type: none">• Existing PCT's or patents• Trade secrets, proprietary know-how
Clinical evidence (clinical plan)	<ul style="list-style-type: none">• Bench data• Biocompatibility analysis• Animal data and maybe FIH	<ul style="list-style-type: none">• Human clinical data on sensitivity (w/ disease), & specificity (w/o)• Competitive comparable performance data if existing category, materiality if not
Regulatory & reimbursement	<ul style="list-style-type: none">• Pathway: BLA, PMA, 510k• Existing DRG, ICD and/or CPT• Animal data and maybe FIH	<ul style="list-style-type: none">• CLIA or PMA/510k pathway• Coding plan for Part A & Part B, new or existing
Team	<ul style="list-style-type: none">• Technical team in place• Regulatory consultants engaged	<ul style="list-style-type: none">• Technical team in place• Regulatory consultants engaged• CLIA experienced personnel in operations
Revenue	<ul style="list-style-type: none">• None	<ul style="list-style-type: none">• CLIA should have some revenue



Contact Info

Questions: Application Portal -> CPRIT Help Desk

Phone: 866-941-7146

Email: Help@CPRITGrants.org

Monday through Friday, 7 a.m. to 4 p.m. CT

Questions: Application Content and RFAs:

Rosemary French, Senior Program Manager, Product Development

Phone: 512-305-7676

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CPRIT Website: <https://www.cprit.texas.gov>



Q&A

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